ATTACHMENT J12

Terre Haute International Airport-Hulman Field (ANG) Water Distribution System

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J12 Terre Haute International Airport-Hulman Field (ANG) Water Distribution System

J12.1 Terre Haute International Airport-Hulman Field (ANG) Overview

The 181st Fighter Wing (FW) of the Indiana Air National Guard occupies 891.88 acres of leased land on the Terre Haute International Airport-Hulman Field, situated approximately five miles east of downtown Terre Haute, located in west central Indiana. The mission of the 181st FW is to provide trained personnel and equipment to protect life and property, and preserve the peace, order and public safety of the state of Indiana when directed by the Governor. The unit currently flies the F-16 Falcon. The 181st FW occupies 4 administrative, 23 industrial, and 4 services buildings totaling approximately 323,335 square feet with 275 full-time personnel. A unit training drill is conducted once a month and results in a surge of up to a total of 1250 personnel.

J12.2 Water Distribution System Description

J12.2.1 Water Distribution System Fixed Equipment Inventory

The Terre Haute International Airport-Hulman Field (ANG) water distribution system consists of all appurtenances physically connected to the distribution system from the point in which the distribution system enters the Installation and Government ownership currently starts to the point of demarcation, defined by the Right of Way. The system may include, but is not limited to, pipelines, valves, fire hydrants, storage facilities, pump stations, pumps, and meters. It does not include any water rights. The actual inventory of items sold will be in the bill of sale at the time the system is transferred. The following description and inventory is included to provide the Contractor with a general understanding of the size and configuration of the distribution system. The Government makes no representation that the inventory is accurate. The Contractor shall base its proposal on site inspections, information in the technical library, other pertinent information, and to a lesser degree the following description and inventory. Under no circumstances shall the Contractor be entitled to any service charge adjustments based on the accuracy of the following description and inventory.

Specifically excluded from the water distribution system privatization are:

?? Lawn sprinkler systems

?? Fire suppression systems

?? Emergency generator at pumping station

J12.2.1.1 Description

Water is supplied by Seelyville Water and enters the base at one point. The configuration is a looped system with multiple dead-end branches and with water delivered at 72 psig. The distribution system

consists of approximately 3,500 linear feet of PVC pipe, 13,400 linear feet of ductile iron pipe, 430 linear feet of steel pipe, and 150 linear feet of copper pipe. Pipe diameter ranges from 3/4 inch to eight inches. Pipes are buried at an average depth of five feet without the use of tracer wire or marking tape. The system also has 42 cast iron-gate valves, four brass valves, 26 fire hydrant assemblies, five water meters, a water pumping station (with two 15 hp pumps) and two 60,000 gallon ground level reinforced concrete water storage tanks. Base personnel indicate the capacity of the current system is adequate for present and future needs.

J12.2.1.2 Inventory

Table 1 provides a general listing of the major water distribution system fixed assets for the Terre Haute International Airport-Hulman Field (ANG) water distribution system included in the sale.

TABLE 1
Fixed Inventory
Water Distribution System Terre Haute International Airport-Hulman Field (ANG)

Item	Size	Quantity	Unit	Approximate Year of Construction
PVC Pipe	(in)			
	2	292	LF	1992
	4	146	LF	1994
	4	598	LF	1981
	8	2506	LF	1994
Ductile Iron Pipe	(in)			
	3	255	LF	1997
	3	606	LF	1966
	3	153	LF	1979
	3	36	LF	1981
	4	291	LF	2000
	6	935	LF	1989
	6	480	LF	1990
	6	236	LF	1994
	6	2357	LF	1997
	6	292	LF	2000
	6	4471	LF	1956
	6	2087	LF	1966
	6	414	LF	1979
	6	693	LF	1981
	8	92	LF	1994

Item	Size	Quantity	Unit	Approximate Year of Construction
Copper Pipe	(in)			
	¾	67	LF	1997
	2	78	LF	1981
Steel Pipe	(in)			
	2	241	LF	1989
	2	114	LF	1993
	2	27	LF	1966
	2	43	LF	1981
Cast Iron Gate Valves	(in)			
	2	1	EA	1966
	2	4	EA	1989
	2	1	EA	1993
	3	3	EA	1966
	3	1	EA	1979
	3	2	EA	1981
	3	1	EA	1997
	4	3	EA	1981
	4	1	EA	1994
	4	2	EA	2000
	6	3	EA	1956
	6	5	EA	1966
	6	2	EA	1979
	6	2	EA	1981
	6	2	EA	1990
	6	1	EA	1994
	6	1	EA	2000
	6	6	EA	1997
	8	1	EA	1994
Brass Gate Valves	(in)			
	¾	3	EA	1997
	1	1	EA	1992
Fire Hydrant Assemblies				

Item	Size	Quantity	Unit	Approximate Year of Construction
		9	EA	1956
		2	EA	1966
		2	EA	1979
		3	EA	1989
		3	EA	1981
		1	EA	1990
		1	EA	1993
		4	EA	1997
		1	EA	2000
Ground Level Storage Tanks	(gallons)			
Reinforced concrete	60,000	2	EA	1956
Meters (described further in Section J12.5)	(in)			
	2	1	EA	1992
	2	1	EA	1993
	2	1	EA	1966
	2	1	EA	1994
	2	1	EA	1997
Pump House				
Masonry block, 20 ft X 20 ft X 12 ft high		1	EA	1966
Pumps	(hp)			
Duplex booster pumps, 200 gallons at 90 psi	15	2	EA	1994

Notes:
PVC = Polyvinyl Chloride
EA = Each
LF = Linear Feet
IN=Inches
psi = pounds per square inch
HP = Horsepower

J12.2.2 Water Distribution System Non-Fixed Equipment and Specialized Tools

Table 2 lists other ancillary equipment (spare parts) and **Table 3** lists specialized vehicles and tools included in the purchase. Offerors shall field verify all equipment, vehicles, and tools prior to submitting a bid. Offerors shall make their own determination of the adequacy of all equipment, vehicles, and tools.

TABLE 2
Spare Parts

Water Distribution System Terre Haute International Airport-Hulman Field (ANG)

Qty	Item	Make/Model	Description	Remarks
None				

TABLE 3
Specialized Vehicles and Tools
Water Distribution System Terre Haute International Airport-Hulman Field (ANG)

Description	Quantity	Location	Maker
None			

J12.2.3 Water Distribution System Manuals, Drawings, and Records

Table 4 lists the manuals, drawings, and records that will be transferred with the system.

TABLE 4
Manuals, Drawings, and Records
Water Distribution System Terre Haute International Airport-Hulman Field (ANG)

Qty	Description	Remarks
1	Water Utility System Maps (electronic copy)	AutoCAD Release Version 2000

J12.3 Specific Service Requirements

The service requirements for the Terre Haute International Airport-Hulman Field (ANG) water distribution system are as defined in the Section C, Description/Specifications/Work Statement. The following requirements are specific to the Terre Haute International Airport-Hulman Field (ANG) water distribution system and are in addition to those found in Section C. If there is a conflict between requirements described below and Section C, the requirements listed below take precedence over those found in Section C.

Contractor is not allowed to rent space on the tanks for advertising, installed equipment, etc.

J12.4 Current Service Arrangement

?? **Current Provider:** Seelyville Water

?? **Average Annual Usage (2000):** 2,915 kGal

?? **Maximum Monthly Usage:** 400 kGal (December)

?? **Minimum Monthly Usage:** 161 kGal (June)

J12.5 Secondary Metering

J12.5.1 Existing Secondary Meters

Table 5 provides a listing of the existing (at the time of contract award) secondary meters that will be transferred to the Contractor. The Contractor shall provide meter readings for all secondary meters IAW Paragraph C.3 and J12.6 below.

TABLE 5
Existing Secondary Meters
Water Distribution System Terre Haute International Airport-Hulman Field (ANG)

Meter Location	Meter Description (Type)
Bldg. 3 (Base Supply)	Consumption, 2-inch, 1966
Bldg. 53 (POL Ops)	Consumption, 2-inch, 1993
Bldg. 54 (Multi-Purpose)	Consumption, 2-inch, 1992
Bldg. 61 (Ammo Storage)	Consumption, 2-inch, 1994
Bldg. 63 (Med/Dining)	Consumption, 2-inch, 1997

J12.5.2 Required New Secondary Meters

The Contractor shall install and calibrate new secondary meters as listed in **Table 6**. New secondary meters shall be installed IAW Paragraph C.13 Transition Plan. After installation, the Contractor shall maintain and read these meters IAW Paragraphs C.3 and J12.6 below.

TABLE 6
New Secondary Meters
Water Distribution System Terre Haute International Airport-Hulman Field (ANG)

Meter Location	Meter Description
None	

J12.6 Monthly Submittals

The Contractor shall provide the Government monthly submittals for the following:

1. Invoice (IAW G.2). The Contractor's monthly invoice shall be presented in a format proposed by the Contractor and accepted by the Contracting Officer. Invoices shall be submitted by the 25th of each month for the previous month. Invoices shall be submitted to the person identified at time of contract award.

2. Outage Report. The Contractor's monthly outage report will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Outage reports shall be submitted by the 25th of each month for the previous month. Outage reports shall be submitted to the person identified at time of contract award.

3. Meter Reading Report. The monthly meter reading report shall show the current and previous month readings for all identified secondary meters. The Contractor's monthly meter reading

report will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Meter reading reports shall be submitted by the 15th of each month for the previous month. Meter reading reports shall be submitted to the person identified at time of contract award.

J12.7 Water Conservation Projects

IAW Paragraph C.3 Utility Service Requirement, the following projects have been implemented by the Government for conservation purposes: None.

J12.8 Service Area

IAW Paragraph C.4 Service Area, the service area is defined as all areas within the Terre Haute International Airport-Hulman Field (ANG) boundaries.

J12.9 Off-Installation Sites

No off-installation sites are included in the sale of the Terre Haute International Airport-Hulman Field (ANG) water distribution system.

J12.10 Specific Transition Requirements

IAW Paragraph C.13 Transition Plan, **Table 7** provides a listing of service connections and disconnections required upon transfer.

TABLE 7
Service Connections and Disconnections
Water Distribution System Terre Haute International Airport-Hulman Field (ANG)

Location	Description
None	

J12.11 Government Recognized System Deficiencies

Table 8 provides a listing of system improvements that the Government has planned. The Government recognizes these improvement projects as representing current deficiencies associated with the Terre Haute International Airport-Hulman Field (ANG) water distribution system. If the utility system is sold, the Government will not accomplish these planned improvements. The Contractor shall make a determination as to its actual need to accomplish and the timing of any and all such planned improvements. Capital upgrade projects shall be proposed through the Capital Upgrades and Renewals and Replacements Plan process and will be recovered through Schedule L-3. Renewal and replacement projects will be recovered through Sub-CLIN AB.

TABLE 8
System Deficiencies
Water Distribution System Terre Haute International Airport-Hulman Field (ANG)

Project Location	Project Description
None	